IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Jacques CAMERINI et al.

Serial No.: New Application

Filed: October 10, 2001

For: METHOD OF CONFIGURING AN AUTOMATION
     MODULE ON A TCP/IP NETWORK

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-identified application, please enter the following specification changes as noted below:

IN THE CLAIMS:

Please amend claims 3 and 10 as follows:

3. (Amended) Configuration method according to claim 1, characterized by the fact that the FTP/TFTP server (24, 34) is installed in automation equipment (20, 30) connected to the TCP/IP network (5).

10. (Amended) Automation assembly capable of implementing a method of configuring an automation module (10) according to claim 1, the automation assembly comprising at least one automation module (10) connected to a TCP/IP network (5) and equipped with a processing unit (12) which is connected to storage means (15) and to a network communication interface (11), characterized by the fact that the automation module (10) is capable of memorizing an application name (40) specific to the automation module (10) in its storage means (15), and can execute a DHCP client (13) and an FTP/TFTP agent (14) in its processing unit (12).

REMARKS

Claims 1-13 remain pending herein. Claims 3 and 10 have been amended hereby.

This Preliminary Amendment is submitted to eliminate multiply dependent claims from the above-identified application.

Examination of this application on its merits is respectfully requested.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.

___October 10, 2001___
Date

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Attachment: Claim Mark-ups

Attorney Docket No. SCHN:009

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CLAIMS

1. ~~Configuration method for an automation module~~ (10) on a TCP/IP network (5) to which at least one item of automation equipment (20) is also connected, characterized in that the configuration method
5 comprises the following steps in sequence:

• A preliminary step (A) in which an application name (40) is assigned, this application name being unique on the TCP/IP network (5) for the automation module (10).

10 • An addressing step (B) in which the automation module (10) sends a request address query (17) on the TCP/IP network (5), containing the application name (40) of the automation module (10) and conform with the DHCP protocol.

15 • A configuration step (C) in which the automation module (10) sends a read configuration query (18) conform with the FTP or TFTP protocol, on the TCP/IP network (5), to an FTP/TFTP server (24, 34).

2. Configuration method according to claim 1,
20 characterized by the fact that the DHCP server (23) is installed in automation equipment (20) connected to the ~~TCP/IP network (5).~~

3. (Amended) Configuration method according to claim 1 ~~or 2~~, characterized by the fact that the
25 FTP/TFTP server (24, 34) is installed in automation equipment (20, 30) connected to the TCP/IP network (5).

~~4. Configuration method according to claim 1,~~ characterized by the fact that during ~~the~~ addressing step (B), the ~~automation module~~ (10) receives a
30 response ~~(27) to~~ the request address query (17) from ~~the DHCP server (23), containing an IP addressing (41)~~

~~and a location (42) of a data file (46) specific to the~~
automation module (10), making it possible to go on to
configuration step (C).

5   5. Configuration method according to claim 4,
characterized by the fact that the read configuration
query (18) uses the location (42) of the data file for
the automation module (10).

     6. Configuration method according to claim 5,
characterized by the fact that during the configuration
10   step (C), the automation module (10) receives a
response (38) to the read configuration query (18) from
the FTP/TFTP server (24, 34), containing the data file
(46) for the automation module (10), such that the
automation module can then change to an operational
15   state.

     7. Configuration method according to claim 6,
characterized by the fact that the data file (46) of an
automation module is identified using the application
name (40) of the automation module (10).

20   8. Configuration method according to claim 6,
characterized by the fact that when an automation
module (10) is in the operational state, it can send a
write configuration query on its own initiative to the
FTP/TFTP server (24, 34) to update or save all or some
25   of its data file (46).

     9. Configuration method according to claim 6,
characterized by the fact that when an automation
module (10) is in the operational state, it can send a
read configuration query on its own initiative to the
30   FTP/TFTP server (24, 34) to check or reload all or some
~~of its data file (46).~~

     10. (Amended) Automation assembly capable of
implementing a method of configuring an automation

module (10) according to ~~any one of the previous claims~~ claim 1, the automation assembly comprising at least one automation module (10) connected to a TCP/IP network (5) and equipped with a processing unit (12)

5 which is connected to storage means (15) and to a network communication interface (11), characterized by the fact that the automation module (10) is capable of memorizing an application name (40) specific to the automation module (10) in its storage means (15), and

10 can execute a DHCP client (13) and an FTP/TFTP agent (14) in its processing unit (12).

~~11. Automation assembly according to claim 10,~~ comprising first automation equipment (20) that is connected to the TCP/IP network (5) and that is

15 equipped with a processing unit (22) connected to storage means (25) and to a network communication interface (21) characterized by the fact that the first automation equipment (20) can execute a DHCP server (22) in its processing unit (22) and can memorize a

20 configuration table (45) in its storage means (25), associating the application name (40) of at least one DHCP client (13) with an IP addressing (41) and a location (42) of a data file.

12. Automation assembly according to claim 11

25 comprising a second automation equipment (30) that is connected to the TCP/IP network (5) and that is provided with a processing unit (32) connected to storage means (35) and to a network communication interface (31), characterized by the fact that the

30 second automation equipment (30) can execute an FTP/TFTP server (34) in its processing unit (32) and can memorize a data file (46) corresponding to at least ~~one FTP/TFTP agent (14) in its storage means (35).~~